Lab6 JavaScript and SQLite

Goals

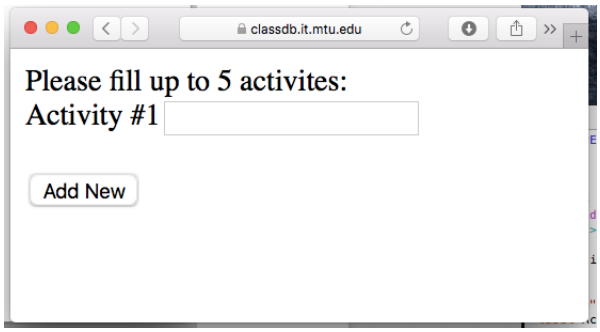
1. Write Javascript code to dynamically change the content Reference
2. USE SQLite to create table and access it in PHP

Report: see requirement for each part.

1. (10 points) Create new elements in HTML - JavaScript

Report: include url, screen shot after the button is clicked, the source code of the activity.html file

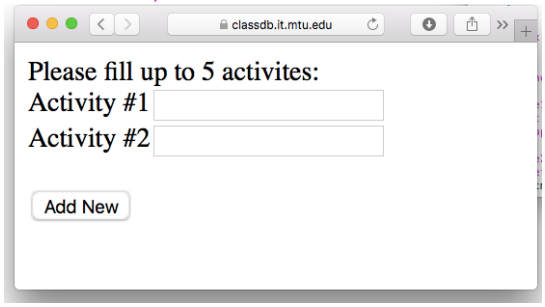
Implement a web page **activity.html** to display an input text area and a button, like this:



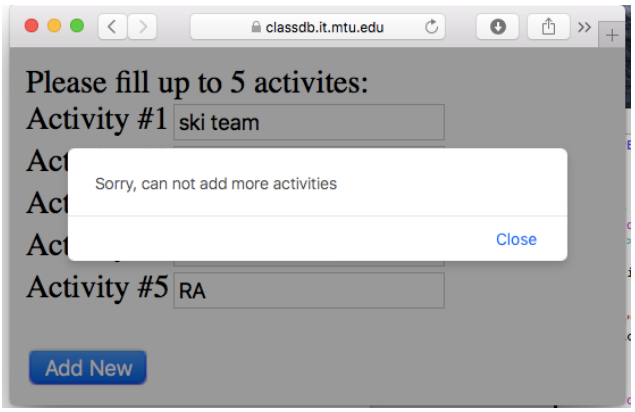
When the button is clicked, add a new input area, like below.
You may also reference this link:
https://www.w3schools.com/jsref/tryit.asp?filename=tryjsref_document_createelement4

To create a input area, use this:

```
var inputarea = document.createElement("INPUT");
```



When there are already 5 activities already, display alert window when user click the button. See https://www.w3schools.com/jsref/tryit.asp?filename=tryjsref_alert



Sample code:

```
<html>

<script>
function create() {

   x = document.getElementsByTagName("input").length ;

   if (x == 5) {
      alert("Sorry, can not add more activites");
      return;
   }

   x = x+1;

   para = document.createElement("label");
   para.innerHTML = "Activity #" + x;
   document.getElementById("div1").appendChild(para);

   para = document.createElement("input");
   document.getElementById("div1").appendChild(para);

   para = document.createElement("br");
   document.getElementById("div1").appendChild(para);

}

</script>
<p> Please fill up to 5 activities </p>
<div id="div1">
<script> create() </script>
</br>
</div>
<button onclick="create()"> Add New </button>


</html>
```

2. (20 points) SQLite

Let's do this on wopr.csl.mtu.edu so we don't have to download SQLite software.

2.1 Use command line interface sqlites3

Report: copy your command and output

Use sqlites3 to create table lab5_account and insert some data in a local file named **account.db**. You can find sqlite3 document in Lecture12_SQLite and http://www.sqlite.org/cli.html

a. Start the command line utility sqllite3 with a database file name account.db

```
sqlite3 account.db
```

b. Create the following table in your database

```
lab5_account (account_number  char(10) primary key, balance double not
null)
```

c. Check the table above using the command .schema.Please note it the command starts with .

```
.schema
```

d. Insert at least 3 records in the table above.

```
Insert into lab5_account values('A001', 100);
Insert into lab5_account values('B001', 999);
Insert into lab5_account values('C001', 99.99);
```

e. select the accounts

```
select * from lab5_account;
```

f. Exit from sqlite3. Before you exist, check what is the database file that you are using.

```
sqlite> .database
seq  name             file
---  ---------------  ----------------------------------------------------------
0    main             /home/campus29/ruihong/account.db
```

g. Do the following command in the terminal to make sure the database file has been created.

```
ls  -l accounts.db
file accounts.db
```

2.2 Write a PHP code to display the data in account table in the SQLite file.

Transfer the account.db to the web server. Then write a php.

Sample code:

```php
<?php
  $myPDO = new PDO('sqlite:/local/my_web_files/YOURNAMR/classdb/account.db');
  $result = $myPDO->query("select * from lab5_account ");
  foreach ($result as $row ) {
     echo $row['account_number']. "  ".$row['balance']."</br>";
  }
?>
```